Cross Hair User Manual

V2.0

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Chapter 1：Introduction: What is the Cross Hair

Cross Hair aimed to provide the best mouse and keyboard control solution for all game consoles (such as PS4/PS3 and XBOX ONE/360 etc), and the freedom to choose keyboard, mouse, joystick, or other controller.

For beginners, Cross Hair can give you a smooth and easy experience while playing games using your own keyboard and mouse, on the contrary，a controller for aiming in FPS(First-Personal Shooting) games is troublesome.

For advanced users, it can let you enjoy the game as you wish, whatever the hardware

you like, the gaming-grade keyboard and mouse or joystick or preferred controller.

Cross Hair has 4 working modes, which you should know.

●**PLAY MODE**: When connecting to game console, controller, keyboard and mouse are ready, its LOGO will show a breathing color, and then you can play your game.

●**PC MODE**: When connecting to PC and no USB device plugged into it, its LOGO will show white, then it can be configured on PC by using Cross Hair Manager. Meanwhile you can upgrade firmware and restore factory configuration in this mode.

● **CONFIG MODE**: Any time while playing a game(in PLAY MODE), just press SHARE+OPTIONS（PS4 platform）buttons on your controller to enter this mode and the LOGO's light will be turned off in the mode. Then you can change settings and get instant feed back.

●**REPAIR MODE**: Hold down the button, then plugging Cross Hair into your PC, when the LOGO shows green, you can release the button, a stable green means **REPAIR MODE**. In this mode, Cross Hair's firmware and configurations can be repaired.

MODE	Sound on start	Color	Function	Attached Device
PLAY MODE	1 beep	Breathing color	Play games	Controller, KB, MS
PC MODE	2 beeps	White	Configure and upgrade	NO
CONFIG MODE	3 beeps	Black	Configure in game	Controller, KB, MS
REPAIR MODE	4 beeps	GREEN	Repair firmware	NO

Please refer to **chapter 2.4** and **5.7** for CONFIG MODE and REPAIR MODE details.

Color and Sound

Mode	COLOR	BEEP	Function
PLAY MODE	Breathing color	As configured	
CONFIG MODE	Black		
	flash red	Higher pitch beep	HIP ADD
	flash red	Lower pitch beep	HIP SUB
	flash green	Higher pitch beep	ADS ADD
	flash green	Lower pitch beep	ADS SUB
	flash blue	Normal beep	Key mapping

1.1 Advantages

●Support all platforms： PS4/PS3/ XBOX ONE/XBOX 360

●Mice, Keyboards, Joysticks compatibility

●Cross platform controller usage (All controllers on any console)

●Intelligent Engine(best mouse precision, 1:1 movement in game)

●Xbox headsets supported

●Firmware in field upgrade

●Active community online

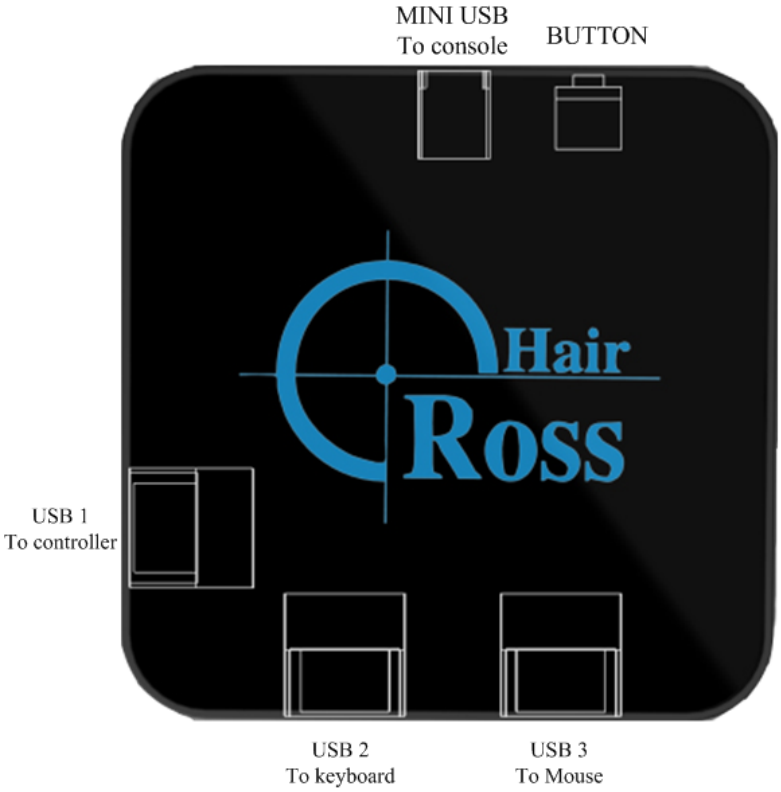
●Aluminum enclosure

●Color and sound indication (clear and convenient)

1.2 Technical Specifications

Outline	75*75*22mm	
Net Weight	105g	
Platforms	PS4/PS3/XBOX ONE/XBOX 360	
Configuration	32 configurations, user defined	
Color	Black	
PORT	3 USB ports	For controller , keyboard and mouse
	1 MINI USB device port	Connecting to game console
BUTTON		Firmware repair
BEEPER	Internal beeper	Sound indication
Temperature	-10~50℃ (14~122℉)	
Humidity	below 90%	

1.3 To know Cross Hair



MINU USB: Connect to game console.
USB1: Connect to the genuine official wired controller shipped with game console. As for wireless controller just connecting it with suitable USB cable to this USB port, except that Xbox 360 requires a genuine wired Xbox 360 controller.
USB2: Connect to your keyboard or joystick or other controller.
USB2: Connect to your mouse.
BUTTON: Firmware reparation.
LOGO LED： Status indication.
Internal Beeper： Status indication. Do not need to look at Cross Hair and will be informed by sound.

1.4 Connections (PLAY MODE)

● **Please connect your controller, keyboard, joystick, mouse according to the figure above, do not change the order of USB 1~3 at will.**

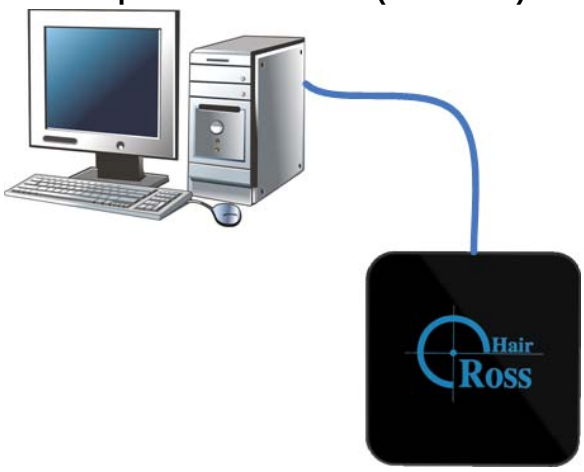
USB PORT	DEVICE TO BE CONNECTED
USB 1	Official wired controller
USB 2	Keyboard or joystick or other controller
USB 3	Mouse

Please refer to **Chapter 3.2** for more connection options.

Chapter 2：Setting Up Cross Hair

2.1 Simple set up steps

2.1.1 Step 1: Connect to PC (PC MODE)



● Please connect your Cross Hair according to the figure above, using the USB cable in package. **Make sure there is no controller/keyboard/mouse/joystick or anything else plugged into it.** And when Cross Hair LOGO shows white, it enters into **PC MODE**, and can be configured on PC then.

2.1.2 Step 2: Run Cross Hair Manager（Windows OS only）

Run Cross Hair Manager.

Please choose the latest version.

2.1.3 Step 3: Choose console and game

● Choose game console you are going to use by the right arrow button

● If there is already a configuration of the game you want to play, choose the configuration and click “Edit” button, this is the convenient way.

● If there is no existing suitable configuration, just click “New” button, and add a new configuration, make some detailed changes as you wish.

● If the game you want to play do not support, just choose the “common game”, it most possible can work well, for games are not varied much from each other.

2.1.4 Step 4: Edit Configuration

For convenience, you can use the default settings but should remember the keys’ mapping, while advanced users can choose the most suitable settings as you wish. For details of every setting, please refer to **chapter 2.2**

2.1.5 Step 5: Save and Exit

You should save the configuration first, before exiting Manager, and after that, unplug the Cross Hair from PC.

Changes you made will not be saved in you Cross Hair until you clicked “Save” button.

This is the final step before you enjoy gaming. But if you want to know Cross Hair better, the following chapters are also very important.

2.2Basic Settings

2.2.1 Choose platform

By the right arrow button, you can choose from PS4/PS3/XBOX ONE/XBOX 360.

2.2.2

Save configuration

Any change made to an exiting configuration or adding a new one has to be saved in Cross Hair by this button.

2.2.3

Edit an existing configuration

If the exiting configuration is your goal, and you want to make some changes in it, you can use “Edit” button for this purpose.

2.2.4

Add a new configuration

If a new configuration is your choice, just click “New”, and make some detailed changes in it.

2.2.5

Delete a configuration

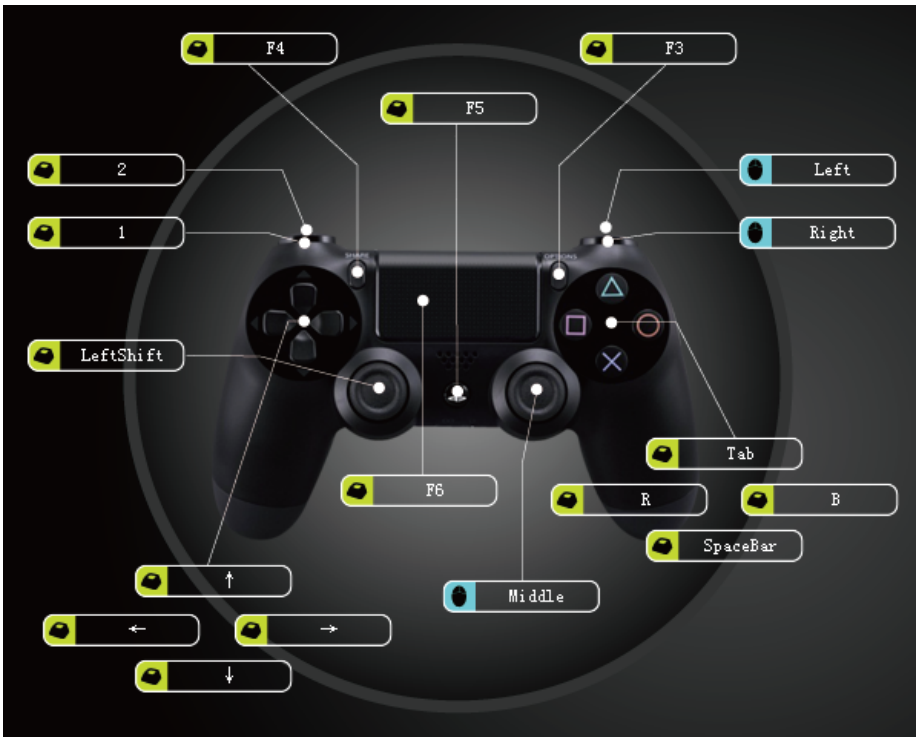
Want to delete some configuration, click it first and then click “Delete” button.

2.2.6

Set one configuration as Start Up.

Select one configuration first and click “Start Up” button. Then this configuration will be activated automatically every time when Cross Hair is powered on.

2.2.7 Key mapping



Click the mapped key icon, and you will enter into a mapping dialog as showed below.

Firstly, choose the hardware from mouse, keyboard, joystick and NONE.

Secondly, use Auto Detect

or Drop-down menu , to select the key you want to use, to substitute for the key on controller.

Thirdly, click OK to end this mapping.

2.2.8

Change the name you want to use in this field.

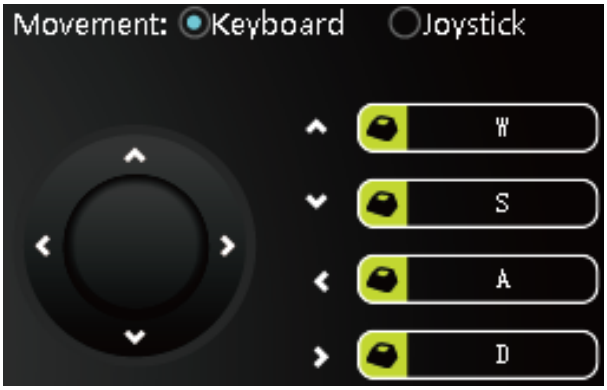
2.2.9

Clicking the color will change the color you want to display on screen. This color can indicate which configuration you are using.

2.2.10

Choose the hotkey for this configuration for fast activation. Once the hotkey is invoked in **PLAY MODE**, this configuration will be activated instantly.

2.2.11 Movement key mapping



You can choose keyboard or joystick to control movement in game.

2.2.12 Sensitivity

Typically in FPS games, you will have two modes of shooting: HIP and ADS (Aim Down Sight), so you have to set them separately. If you do not familiar with these values, just leave them as default.

2.2.13 More settings

This button will bring you parameters that are not frequently used.

2.2.14 Notification settings

Enable Maximum Turn Speed Warning:
If selected, when turn speed exceeds maximum, the LOGO will flash red twice.
Enable ADS Activation Notification:
If selected, when ADS is activated, the LOGO will flash green twice.

2.2.15 Invert vertical movement

Once enabled, your mouse vertical movement will be flipped.

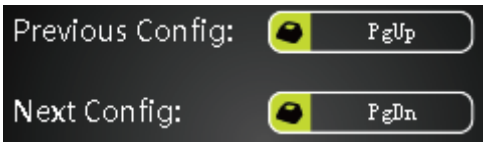
2.2.16 Load Behavior

This option will change the behavior of your configuration, after it was activated by hotkey. Three choices you have: Standard, Temporary Hold, and Temporary Toggle.

Standard: The configuration is activated by its hotkey and stays active.
Temporary Hold: The configuration is activated only when its hotkey is pressed and the previous configuration will be reloaded back when the hotkey is released.
Temporary Toggle: The configuration is activated after its hotkey is invoked and the previous configuration will be reloaded back when the hotkey is invoked again.

2.3 Global Settings

2.3.1 Previous and next configuration



These keys can be alternative ways to activate a configuration instead of the hotkey.

2.4Setting up in-game (CONFIG MODE)

Everything of Cross Hair can be configured on PC using its Manager, while you would love to set up it in-game, for this procedure will give you instant feed back when changing the settings.

For advanced user, we provide this function for most flexible and suitable shooting experience according to everyone. Any time in game, just press SHARE+OPTIONS（PS4 platform）buttons on your controller to enter **CONFIG MODE** and the LOGO's light will be turned off in this mode.

Different platform has different keys to use.

Game Console	Controller	Buttons to enter/exit CONFIG MODE
PS4	Dual Shock 4	SHARE+OPTIONS
PS3	Dual Shock 3	SELECT+START
XBOX ONE		VIEW+MENU
XBOX 360		BACK+START

In **CONFIG MODE**, you can use controller to change HIP and ASDS sensitivity as well as key mapping.

Color and Sound in **CONFIG MODE**:

KEY	COLOR	BEEP	Functions
D-Pad Up	flash red	Higher pitch beep	HIP ADD
D-Pad Down	flash red	Lower pitch beep	HIP SUB
D-Pad Right	flash green	Higher pitch beep	ADS ADD
D-Pad Left	flash green	Lower pitch beep	ADS SUB
	flash blue	Normal beep	Key mapping

After setting up all you want, just press the combination keys again, you will exit the **CONFIG MODE**, and return to **PLAY MODE**.

2.4.1 Adjusting HIP sensitivity

D-Pad Up key is for increasing HIP sensitivity. You will see a flashing red, and a higher pitch, once the key is pressed.

D-Pad Down key is for decreasing HIP sensitivity. You will see a flashing red, and a lower pitch, once the key is pressed.

2.4.2 Adjusting ADS sensitivity

D-Pad Right key is for increasing ADS sensitivity. You will see a flashing green, and a higher pitch, once the key is pressed.

D-Pad Right key is for decreasing ADS sensitivity. You will see a flashing green, and a lower pitch, once the key is pressed.

2.4.3 Mapping buttons

To begin button mapping, you should press **PS** button (PS4/PS3) or **GUIDE** button (XBOX ONE/360). Then the LOGO will show flash blue, this means you can choose the key to be mapped on controller.

Once the key on controller is pressed, LOGO will show stable blue, and wait for the corresponding key on keyboard or mouse or joystick etc. After select your key, Cross Hair will keep flashing blue again. Then a new button mapping can be continued.

After mapping all the keys, you should press **PS** button (PS4/PS3) or **GUIDE** button (XBOX ONE/360) again to end the mapping procedure.

Mapping keys in **CONFIG MODE** is recommended, for you can get instant response in game, and all the keys can be mapped. On the contrary, in **PC MODE**, some special keys of your mouse, keyboard or joystick may not be detected due to OS's limitation.

Mapping key from Joystick are especially recommended to use CONFIG MODE.

Chapter 3：Playing Games

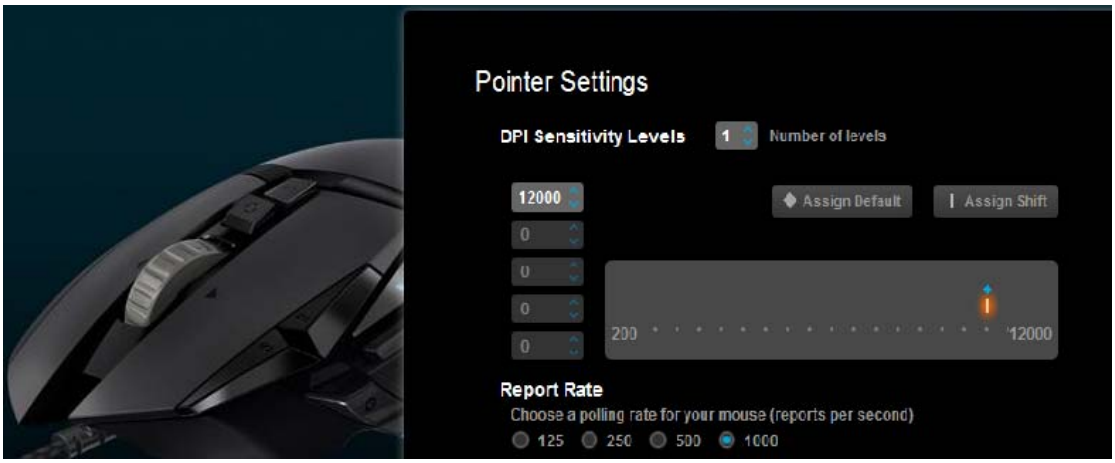
3.1 Things to do before playing

3.1.1 Mouse DPI

Make sure the mouse you are using is configured at its highest DPI, or you should connect it to a PC, and use a special tool or software from producer, to change the DPI to maximum.

3.1.2 Mouse Report Rate

Set your mouse USB polling rate to either 500 or 1000.



3.1.3 LOOK Sensitivity

Set the game's "LOOK SENSITIVITY" to maximum, whatever they call it Insane or maximum or 10 or 100.

3.2 Ways to Use Cross Hair

1. Use keyboard and mouse, instead of controller

2. Use joystick and mouse, instead of controller

3. Use another controller instead of the original one (Cross platform controller usage)

The controller connected to USB 1 should always be the original one shipped with the console.

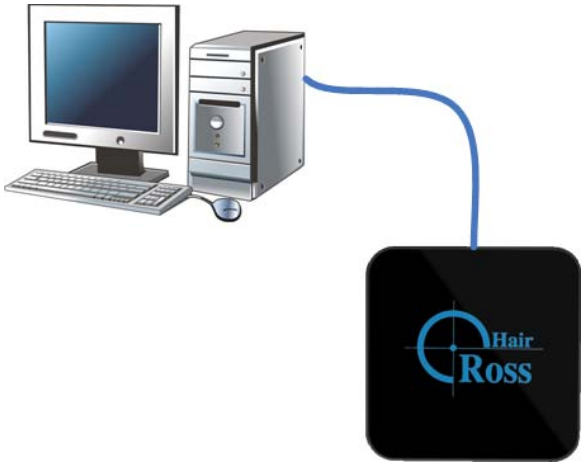
Only official controllers are tested and recommended!

Supported Controller:

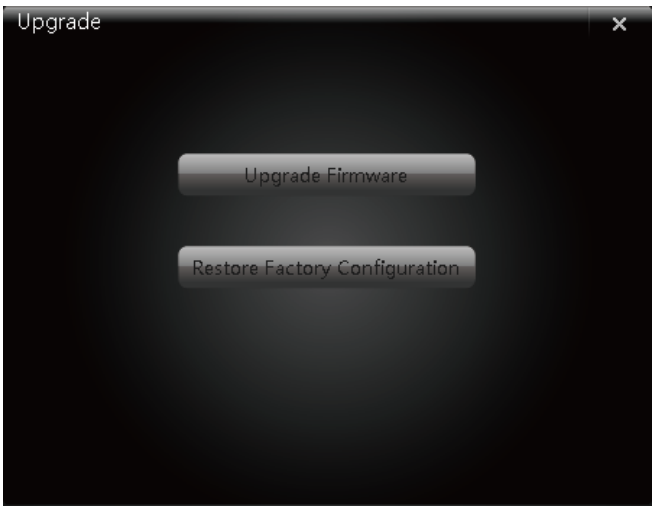
Game Console	DS4	DS3/ Sixaxis	XBOX ONE CONTROLLER	XBOX 360 CONTROLLER
PS4		●	●	●
PS3	●		●	●
XBOX ONE	●	●		●
XBOX 360	●	●	●	

Chapter 4：Upgrade and Restore

Please connect your Cross Hair according to the figure below, using the USB cable in package. **Make sure there is no controller/keyboard/mouse/joystick or anything else plugged into it.** And when Cross Hair LOGO shows white, it enters into **PC MODE**, and can be upgraded and restored on PC.



Click the icon at bottom right corner.



Upgrade Firmware: Upgrade firmware to a new version or repair firmware error. Your configurations will not be changed after the operation.

Restore Factory Configuration: Restore configuration back to factory default. All your own changes will be lost.

During upgrade or restore, do not shake the USB cable or unplug it or turn off PC. These behaviors will damage your Cross Hair.